

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S8	275455	(cathode positive near3 electrode)	US-PGPUB; USPAT	OR	ON	2007/03/12 07:59
S9	1623810	solution solute dissolv\$5	US-PGPUB; USPAT	OR	ON	2007/03/12 08:58
S10	65553	(mn manganese ni nickel co cobalt) near3 (oxide carbonate)	US-PGPUB; USPAT	OR	ON	2007/03/12 11:54
S11	70154	(aqueouds solut\$6) with salt near3 (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum)	US-PGPUB; USPAT	OR	ON	2007/03/12 08:12
S12	79487	(aqueous solut\$6) with salt near3 (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum)	US-PGPUB; USPAT	OR	ON	2007/03/12 08:12
S13	31	S8 and S9 with S10 same S12 with (precipitat\$5 bond\$4)	US-PGPUB; USPAT	OR	ON	2007/03/12 10:01
S14	179344	(solution solute dissolv\$5) with (alkaline carbonate hydrogencarbonate hydrocarbonate)	US-PGPUB; USPAT	OR	ON	2007/03/12 08:59
S15	1704	S10 with S14	US-PGPUB; USPAT	OR	ON	2007/03/12 08:59
S16	142	S10 with S14 same (precipitat\$3 with metal)	US-PGPUB; USPAT	OR	ON	2007/03/12 08:59
S17	138	S16 not S13	US-PGPUB; USPAT	OR	ON	2007/03/12 09:00
S18	16	S17 and S8	US-PGPUB; USPAT	OR	ON	2007/03/12 09:00
S19	138	S9 with S10 same S12 with (precipitat\$5 bond\$4) not S13	US-PGPUB; USPAT	OR	ON	2007/03/12 11:54
S20	113	S10 same (lithium li) near3 (hydro\$4 near3 carbonate) same (cobalt so) near3 (sulfate salt carbonate drip)	US-PGPUB; USPAT	OR	ON	2007/03/12 11:57
S21	112	S20 not S13	US-PGPUB; USPAT	OR	ON	2007/03/12 11:56

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S22	9	S10.same (lithium li) near3 (hydro\$4 near3 carbonate) same (cobalt so) near3 (sulfate salt carbonate drip) same (solution solute precipitat\$3)	US-PGPUB; USPAT	OR	ON	2007/03/12 11:57
S23	1	("6241959").PN. OR ("6334992").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 12:03
S24	11	("5478674"   "5498403"   "5587139"   "5626635"   "5635313"   "5674643"   "5993998"   "6013390"   "6040090").PN. OR ("6241959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 12:04
S25	33	("4302518"   "5135732"   "5370948"   "5490320").PN. OR ("5626635").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:34
S26	33	S25 and (solution process method precipitat\$5 bond\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:35
S27	18	S25 and (solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) with (process method)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:42
S28	11	("5478674"   "5498403"   "5587139"   "5626635"   "5635313"   "5674643"   "5993998"   "6013390"   "6040090").PN. OR ("6241959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:41
S29	8	S28 and (solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) with (process method) not S27	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:48
S30	275455	(cathode positive near3 electrode)	US-PGPUB; USPAT	OR	ON	2007/03/12 14:50
S31	3943	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (process method) same (alkaline carbonate hydrogencarbonate) near3 solution and S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:50
S32	819	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (process method) same (alkaline carbonate hydrogencarbonate) near3 solution same S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:51
S33	2	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (process method) same (alkaline carbonate hydrogencarbonate) near3 solution same S30 same (drip\$4 with precipitat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:51

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S34	17	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (process method) same (alkaline carbonate hydrogencarbonate) near3 solut\$4 same (drip\$4 with precipitat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:53
S35	78	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (process method) same (alkaline carbonate hydrogencarbonate) near3 solut\$4 same (drip\$4 titrat\$5) with precipitat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 15:06
S36	61	S35 not S34	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 14:54
S37	456	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (alkaline carbonate hydrogencarbonate) near3 solut\$4 and (drip\$4 titrat\$5) with precipitat\$5	US-PGPUB; USPAT	OR	ON	2007/03/12 15:07
S38	41	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (alkaline carbonate hydrogencarbonate) near3 solut\$4 same (nickel ni cobalt co manganese mn) and (drip\$4 titrat\$5) with precipitat\$5	US-PGPUB; USPAT	OR	ON	2007/03/12 15:09
S39	41	(solution precipitat\$5 bond\$4 dissolv\$4 solut\$4) same (alkaline carbonate hydrogen adj carbonate) near3 solut\$4 same (nickel ni cobalt co manganese mn) and (drip\$4 titrat\$5) with precipitat\$5	US-PGPUB; USPAT	OR	ON	2007/03/12 15:29
S40	4	("20020122767" "6080510" "62729 26" "6325988").PN.	US-PGPUB; USPAT	OR	ON	2007/03/12 15:29
S41	12	(US-20050265909-\$ or US-20030022063-\$ or US-20030129495-\$).did. or (US-6660432-\$ or US-6040090-\$ or US-6241959-\$ or US-5626635-\$ or US-6334992-\$ or US-6242134-\$ or US-6132639-\$ or US-4101716-\$ or US-6210834-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/14 09:50
S42	8	S41 and alkali\$5 near5 solution	US-PGPUB; USPAT	OR	ON	2007/03/14 12:10
S43	1110	alkali\$5 near5 solution same (ni nickel mg manganese co cobalt) near5 (oxide carbonate)	US-PGPUB; USPAT	OR	ON	2007/03/14 13:03
S44	396	alkali\$5 near5 solution same (ni nickel mg manganese co cobalt) near5 (oxide carbonate) and (cathode positive near3 electrode)	US-PGPUB; USPAT	OR	ON	2007/03/14 13:12

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S45	215	alkali\$5 near5 solution same (ni nickel mg manganese co cobalt) near5 (oxide carbonate) and (lithium li) and (cathode positive near3 electrode)	US-PGPUB; USPAT	OR	ON	2007/03/14 13:20
S46	0	(11/588463).APP.	USPAT; USOCR	OR	ON	2007/03/14 13:13
S47	60	alkali\$5 near5 solution same (ni nickel mg manganese co cobalt) near5 (oxide carbonate) same (precipit\$6 bond\$6) and (cathode positive near3 electrode)	US-PGPUB; USPAT	OR	ON	2007/03/14 13:21
S48	22	("5198081"   "5429890"   "5449577"   "5478672"   "5641468"   "5744266"   "5807646"   "5866279"   "5869208"   "5874058"   "5882821"   "5928714"   "5948565"   "5961950"   "6103419"   "6110442"   "6117410"   "6123911"   "6168888"   "6242134"   "6416902").PN. OR ("6551571").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:13
S49	214	(nickel ni manganese mn cobalt co) near3 (oxide carbonate) with (precipitat\$5 bond\$4) near4 (surface outside)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:16
S50	167	(nickel ni manganese mn cobalt co) near3 (oxide carbonate) with (precipitat\$5 bond\$4) near4 (surface outside) near6 (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:45
S51	69	S49 and (cathode electrode near3 positive)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:19
S52	12	(US-20050265909-\$ or US-20030022063-\$ or US-20030129495-\$ or US-20020197202-\$).did. or (US-6660432-\$ or US-6040090-\$ or US-5626635-\$ or US-6334992-\$ or US-6242134-\$ or US-6132639-\$ or US-4101716-\$ or US-6210834-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/14 14:33

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S53	9	S52 and (cobalt with (salt sulf\$4))	US-PGPUB; USPAT	OR	ON	2007/03/14 14:36
S54	0	"20020197202".pn. and (mn manganese) near5 (co cobalt) with (ratio to)	US-PGPUB; USPAT	OR	ON	2007/03/14 14:37
S55	1	"20020197202".pn. and (mn manganese) with (co cobalt) with (ratio to amount)	US-PGPUB; USPAT	OR	ON	2007/03/14 14:38
S56	146	(nickel ni cobalt co) near3 (oxide carbonate) with (precipitat\$5 bond\$4) near4 (surface outside) near6 (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:50
S57	53	(nickel ni cobalt co) near3 (oxide carbonate lithium li) with (precipitat\$5 bond\$4) near4 (surface outside) near6 (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum) and (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:56
S58	7198	(cobalt co) near6 (oxide carbonate (lithium li) near3 oxide) with (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron ni nickel cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum) and (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:57

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S59	9431	(nickel ni) near6 (oxide carbonate (lithium li) near3 oxide) with (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum) and (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:58
S60	4403	(nickel ni) near6 (oxide carbonate (lithium li) near3 oxide) with (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum) same (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:59
S61	2689	(nickel ni) near6 (oxide carbonate (lithium li) near3 oxide) with (sc scandium ti titanium v vanadium cr chromium mn manganese fe iron co cobalt cu copper li lithium na sodium k potassium rb rubidium cs cesium fr francium be beryllium mg magnesium ca calcium sr strontium ba barium ra radium b boron al aluminum) with (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:00
S62	1951	(nickel ni) near6 (oxide carbonate (lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) with (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:02
S63	1649	S62 and ("423"/\$.ccls. "429"/\$.ccls. 29/23.1-623.5.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:01
S64	933	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) with (cathode positive adj electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:02
S65	552	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) with (cathode positive adj electrode) with active near2 material	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 15:03

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S66	552	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) with (cathode positive adj electrode) with active near2 material	US-PGPUB; USPAT	OR	ON	2007/03/14 15:04
S67	4	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) near3 (dop\$4 additive) with (cathode positive adj electrode) with active near2 material	US-PGPUB; USPAT	OR	ON	2007/03/14 15:05
S68	24	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) near3 (dop\$4 additive) and (cathode positive adj electrode)	US-PGPUB; USPAT	OR	ON	2007/03/14 15:04
S69	24	(nickel ni) near6 ((lithium li) near3 oxide) with (co cobalt mn manganese al aluminum) near3 (dop\$4 additive) and (cathode positive adj electrode)	US-PGPUB; USPAT	OR	ON	2007/03/14 15:10
S70	21	(co cobalt) near6 ((lithium li) near3 oxide) with (nickel ni mn manganese al aluminum) near3 (dop\$4 additive) and (cathode positive adj electrode) not S69	US-PGPUB; USPAT	OR	ON	2007/03/14 15:32
S71	2	lithium near3 cobaltate with (nickel ni mn manganese al aluminum) near3 (dop\$4 additive) and (cathode positive adj electrode) not S69	US-PGPUB; USPAT	OR	ON	2007/03/14 15:34
S72	21	lithium near3 cobalt near3 oxide with (nickel ni mn manganese al aluminum) near3 (dop\$4 additive) and (cathode positive adj electrode) not S70	US-PGPUB; USPAT	OR	ON	2007/03/14 15:34